

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P636791

Luminaire Tested: **IFLD-L-SA8A-935-U-77-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636791
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-935-U-77-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 7 distribution lens and Visor
Light Source: (128) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17496 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G2

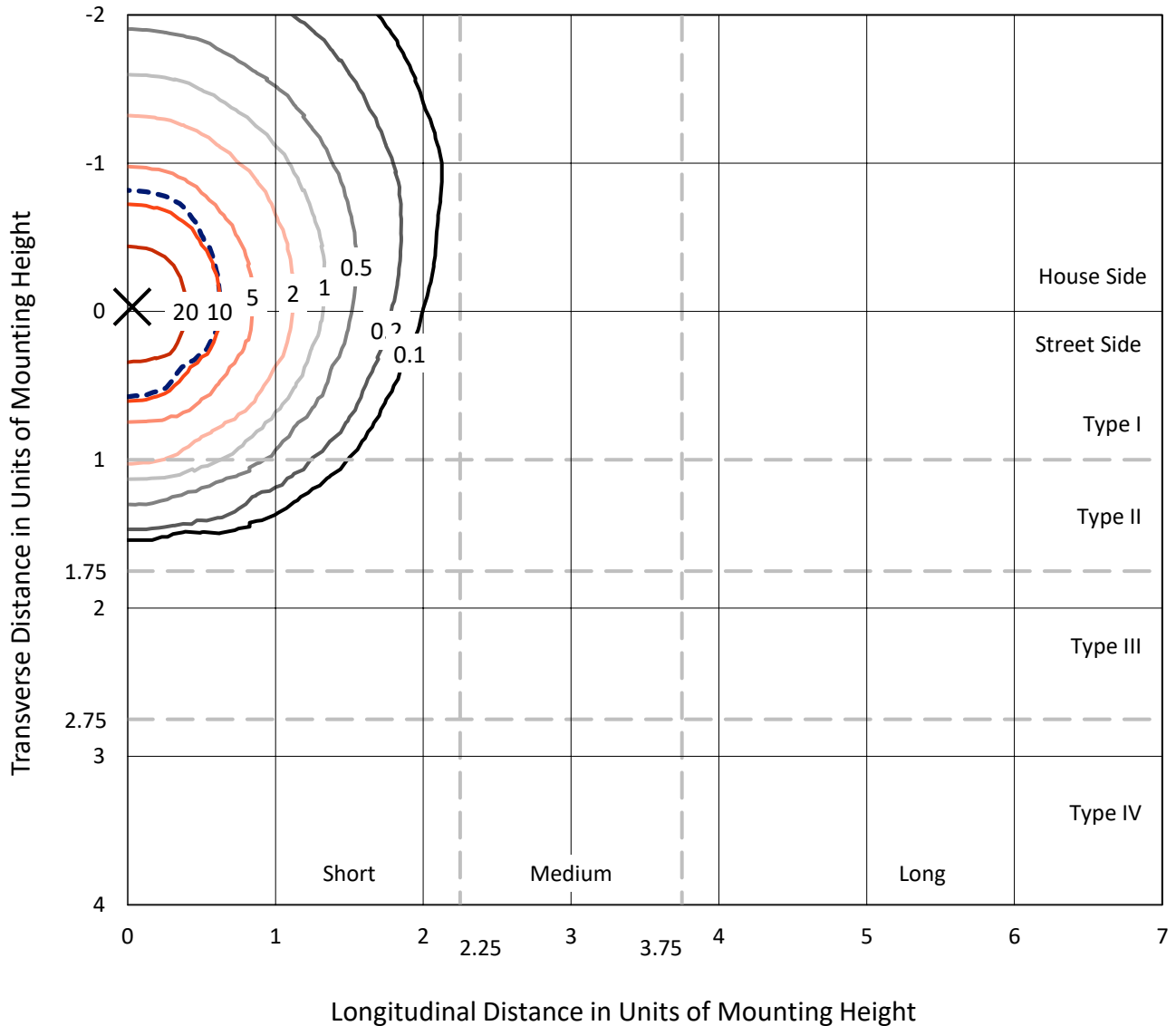
Input Watts (W): 247.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P636791
 CATALOG NUMBER: IFLD-L-SA8A-935-U-77-VI

Iso-Footcandle Lines of Horizontal Illumination

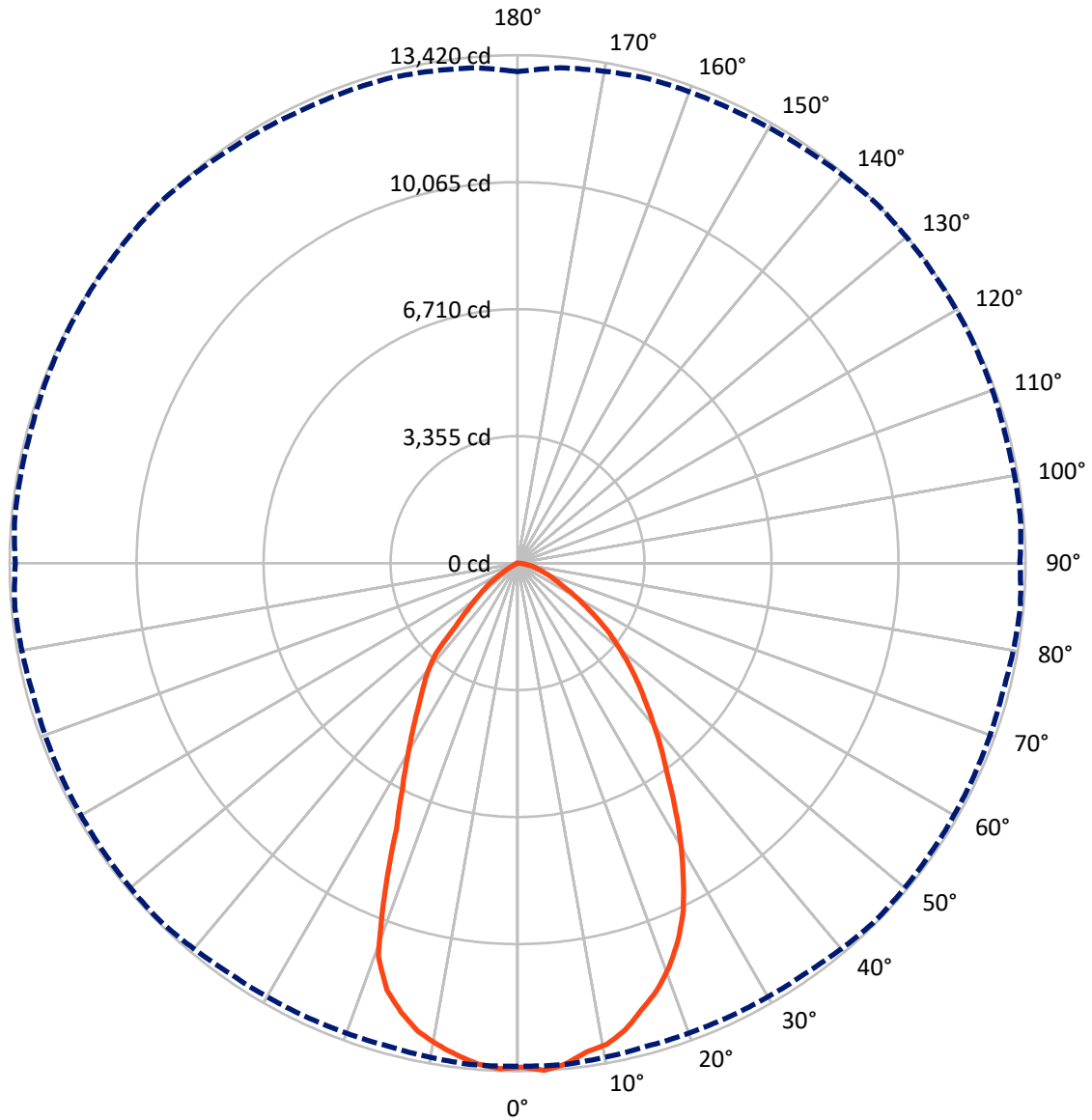
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 33.3 fc
 Type I - Short - N/A

REPORT NUMBER: P636791
CATALOG NUMBER: IFLD-L-SA8A-935-U-77-VI

Luminous Intensity Polar Plot



— Vertical Plane Through 135-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P636791

CATALOG NUMBER: IFLD-L-SA8A-935-U-77-VI

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10362.0	0.0	10362.0
	% Fixture	59.2	0.0	59.2
Street Side	Lumens	7134.0	0.0	7134.0
	% Fixture	40.8	0.0	40.8
Total	Lumens	17496.0	0.0	17496.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1248.7	7.1
10°-20°	3348.4	19.1
20°-30°	4083.6	23.3
30°-40°	3728.3	21.3
40°-50°	2694.3	15.4
50°-60°	1471.1	8.4
60°-70°	608.3	3.5
70°-80°	246.3	1.4
80°-90°	67.0	0.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17496.0	100.0
0°-180°	17496.0	100.0

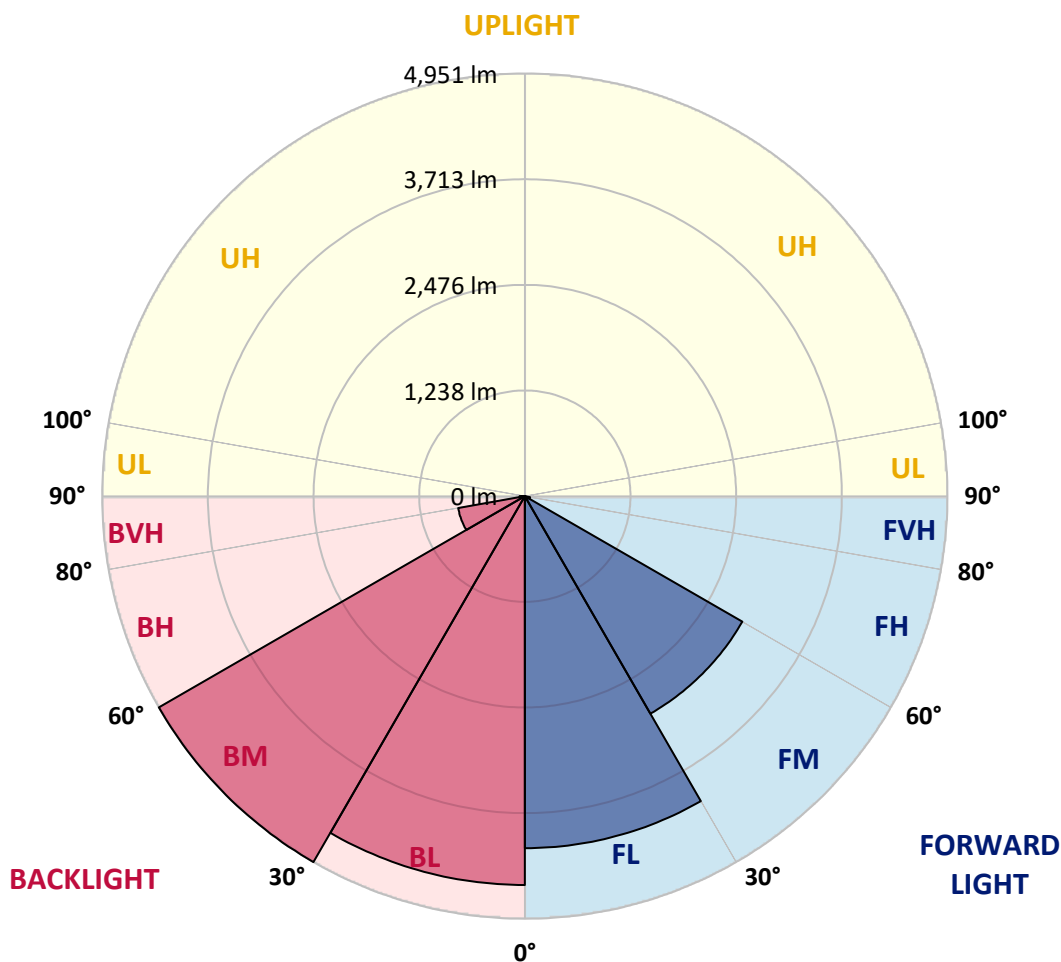


REPORT NUMBER: P636791
 CATALOG NUMBER: IFLD-L-SA8A-935-U-77-VI

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4124.4	23.6			
FM (30°-60°)	2942.5	16.8			
FH (60°-80°)	61.7	0.4			G0/660
FVH (80°-90°)	5.4	0.0			G0/10
BL (0°-30°)	4556.2	26.0	B4/5000		
BM (30°-60°)	4951.2	28.3	B3/5000		
BH (60°-80°)	793.0	4.5	B2/1000		G2/1000
BVH (80°-90°)	61.6	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type I Short





REPORT NUMBER: P636791
 CATALOG NUMBER: IFLD-L-SA8A-935-U-77-VI

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4
2.5°	13289.7	13307.0	13213.4	13223.2	13240.5	13366.1	13334.1	13304.5	13262.6	13334.1
5°	13272.5	13282.4	13183.8	13149.3	13164.1	13277.4	13173.9	13173.9	13164.1	13151.8
7.5°	13139.5	13144.4	13068.0	13006.4	13045.8	13097.6	13021.2	13058.1	13003.9	13045.8
10°	12939.9	12907.9	12816.7	12799.4	12843.8	12893.1	12841.3	12875.8	12826.6	12858.6
12.5°	12646.7	12597.4	12523.5	12501.3	12577.7	12644.2	12602.3	12582.6	12518.6	12597.4
15°	11515.8	11478.9	11646.4	11939.6	12203.2	12259.9	12215.5	12235.2	12102.2	12124.4
17.5°	9478.2	9409.3	9589.1	10283.9	11274.4	11796.7	11757.3	11629.1	11432.0	11476.4
20°	8613.4	8593.7	8574.0	8739.1	9431.4	11015.7	11069.9	10744.6	10463.8	10402.2
22.5°	8125.6	8118.2	8098.5	8135.5	8317.8	9335.3	9956.2	9655.6	9468.4	9451.1
25°	7679.7	7667.4	7608.2	7655.0	7655.0	7714.2	8510.0	8692.3	8527.2	8507.5
27.5°	7226.3	7204.2	7194.3	7216.5	7103.1	6704.0	6906.0	7795.5	7709.2	7714.2
30°	6736.0	6728.6	6701.5	6748.4	6398.5	5903.3	5775.2	6982.4	6999.7	6994.7
32.5°	6006.7	6038.8	6162.0	6213.7	5637.2	5228.2	5013.8	6041.2	6393.6	6386.2
35°	4363.4	4363.4	4765.0	5511.5	4939.9	4631.9	4516.1	5122.2	5794.9	5819.5
37.5°	3587.3	3599.6	3678.5	4018.5	4262.4	4154.0	4119.5	4311.7	5026.2	5065.6
40°	3227.6	3227.6	3227.6	3087.1	3079.8	3742.5	3722.8	3661.2	4341.2	4427.5
42.5°	2899.9	2907.3	2912.2	2557.4	2360.3	3235.0	3190.6	3097.0	3727.7	3828.7
45°	2562.4	2574.7	2589.5	2138.6	2052.3	2328.3	2700.3	2596.8	3121.6	3252.2
47.5°	1564.5	1584.2	1919.3	1813.4	1823.2	1796.1	2202.6	2185.4	2559.9	2744.7
50°	1057.0	1064.4	1096.4	1150.6	1564.5	1411.8	1559.6	1808.4	1943.9	2224.8
52.5°	887.0	899.3	820.4	746.5	1027.4	1103.8	1089.0	1342.8	1397.0	1744.4
55°	623.3	662.8	625.8	618.4	583.9	857.4	825.4	1032.3	1066.8	1325.5
57.5°	64.1	73.9	128.1	460.7	381.9	485.4	588.8	756.4	790.9	978.1
60°	4.9	4.9	12.3	64.1	278.4	290.7	406.5	465.7	532.2	682.5
62.5°	0.0	2.5	4.9	9.9	44.3	155.2	204.5	243.9	320.3	441.0
65°	0.0	0.0	2.5	7.4	9.9	59.1	78.8	128.1	174.9	273.5
67.5°	0.0	0.0	2.5	4.9	7.4	14.8	27.1	46.8	93.6	155.2
70°	0.0	0.0	2.5	4.9	7.4	12.3	19.7	29.6	41.9	83.8
72.5°	0.0	0.0	2.5	2.5	4.9	12.3	14.8	19.7	29.6	41.9
75°	0.0	0.0	2.5	2.5	7.4	14.8	12.3	14.8	19.7	27.1
77.5°	0.0	0.0	2.5	4.9	7.4	14.8	12.3	14.8	14.8	17.2
80°	0.0	0.0	2.5	4.9	9.9	17.2	14.8	14.8	12.3	12.3
82.5°	0.0	0.0	2.5	7.4	9.9	22.2	22.2	19.7	9.9	7.4
85°	0.0	0.0	4.9	9.9	14.8	24.6	24.6	19.7	7.4	4.9
87.5°	0.0	0.0	4.9	7.4	12.3	17.2	24.6	19.7	7.4	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636791

CATALOG NUMBER: IFLD-L-SA8A-935-U-77-VI

CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
13314.4	0°	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4	13314.4
13272.5	2.5°	13339.0	13324.2	13373.5	13393.2	13420.3	13316.8	13252.8	13255.3	13137.0
13122.2	5°	13201.0	13203.5	13267.6	13262.6	13289.7	13233.1	13208.4	13166.6	13063.1
12932.5	7.5°	13026.1	13003.9	13065.5	13112.4	13043.4	13082.8	13026.1	13045.8	12984.2
12765.0	10°	12890.6	12838.9	12895.5	12927.6	12930.0	12890.6	12836.4	12784.7	12762.5
12503.8	12.5°	12590.0	12523.5	12619.6	12663.9	12656.5	12580.2	12518.6	12530.9	12459.4
12045.5	15°	12176.1	12178.6	12247.6	12289.4	12250.0	12232.8	12237.7	12208.1	12146.5
11412.3	17.5°	11542.9	11579.9	11762.2	11863.2	11885.4	11850.9	11833.6	11799.1	11737.5
10402.2	20°	10488.4	10710.1	11035.4	11348.3	11409.9	11400.0	11338.4	11323.6	11289.1
9401.9	22.5°	9562.0	9727.1	10104.0	10591.9	10843.2	10867.8	10793.9	10771.7	10734.8
8507.5	25°	8603.6	8781.0	9121.0	9650.7	10170.6	10276.5	10264.2	10197.7	10158.3
7714.2	27.5°	7795.5	7972.9	8280.8	8758.8	9315.6	9655.6	9687.7	9581.7	9579.3
7007.1	30°	7066.2	7310.1	7544.2	7933.4	8473.0	8983.0	9037.2	8963.3	8970.7
6359.1	32.5°	6494.6	6696.6	6896.2	7157.3	7605.8	8199.5	8411.4	8342.4	8315.3
5819.5	35°	5910.7	6048.6	6253.1	6492.1	6797.6	7386.5	7753.6	7701.8	7674.7
5090.2	37.5°	5245.4	5482.0	5629.8	5898.3	6137.3	6605.5	7122.8	7115.5	7058.8
4469.3	40°	4563.0	4811.8	5036.0	5307.0	5491.8	5863.8	6437.9	6435.4	6442.8
3826.3	42.5°	3944.5	4173.7	4444.7	4740.4	4917.7	5188.8	5804.7	5839.2	5881.1
3296.6	45°	3385.3	3592.2	3843.5	4203.2	4417.6	4572.8	5119.8	5277.5	5275.0
2823.5	47.5°	2882.6	3077.3	3289.2	3639.0	3912.5	4053.0	4506.3	4730.5	4715.7
2316.0	50°	2419.5	2591.9	2813.7	3067.4	3434.5	3557.7	3895.3	4190.9	4168.8
1845.4	52.5°	1946.4	2185.4	2372.6	2604.2	2991.1	3111.8	3372.9	3661.2	3644.0
1384.7	55°	1517.7	1749.3	1976.0	2175.5	2500.8	2680.6	2867.9	3163.5	3158.6
1084.1	57.5°	1148.1	1401.9	1616.3	1806.0	2064.7	2286.4	2436.7	2705.3	2739.7
741.6	60°	850.0	1044.7	1276.2	1488.1	1692.6	1921.8	2022.8	2286.4	2301.2
507.5	62.5°	579.0	793.3	1020.0	1212.2	1364.9	1601.5	1692.6	1909.4	1936.5
325.2	65°	401.6	539.6	798.3	936.2	1123.5	1325.5	1416.7	1589.2	1643.4
187.2	67.5°	266.1	384.4	623.3	749.0	933.8	1071.8	1187.6	1328.0	1387.1
118.3	70°	145.4	283.3	445.9	591.3	751.5	884.5	997.8	1111.2	1162.9
54.2	72.5°	98.6	189.7	310.4	468.1	606.1	736.7	837.7	921.5	923.9
32.0	75°	49.3	128.1	236.5	362.2	473.0	601.2	692.3	741.6	682.5
19.7	77.5°	29.6	93.6	192.2	290.7	384.4	485.4	537.1	564.2	468.1
14.8	80°	17.2	66.5	150.3	231.6	266.1	357.3	406.5	413.9	312.9
9.9	82.5°	12.3	49.3	118.3	170.0	162.6	251.3	305.5	295.7	199.6
7.4	85°	7.4	34.5	73.9	105.9	98.6	165.1	177.4	182.3	115.8
4.9	87.5°	4.9	19.7	39.4	56.7	46.8	71.5	71.5	86.2	56.7
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



180°
13314.4
12984.2
13038.4
12880.8
12663.9
12397.8
12084.9
11710.4
11210.3
10724.9
10116.4
9574.3
8933.7
8317.8
7637.8
7105.6
6442.8
5858.9
5279.9
4720.6
4188.5
3680.9
3170.9
2725.0
2323.4
1941.5
1631.0
1379.7
1143.2
901.8
638.1
450.9
293.2
184.8
105.9
49.3
0.0

(END OF REPORT)